Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/12/2018 11:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124550	-1	2.66	124582	2.63
Blue	F	SSC	125000	124649	-1	1.48	125300	1.47
Blue	E	FITC	15760	15257	-4	3.01	330	22.62
Blue	D	PE	25880	25370	-2	2.00	551	16.93
Blue	B	PerCP-Cy5-5	34075	34085	0	4.27	1035	23.24
Blue	A	PE-Cy7	22776	23100	1	7.33	557	46.19
Red	C	APC	42488	41613	-3	2.91	1559	13.78
Red	A	APC-Cy7	24478	23788	-3	3.19	817	13.36
Violet	B	V450	6304	6030	-5	4.12	343	17.87
Violet	A	V500	26005	24830	-5	3.67	582	13.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20697	10.22	608	11	N/A	N/A	Pass
Blue	F	SSC	56734	1.10	575	20	N/A	N/A	Pass
Blue	E	FITC	57	75.94	562	6	0.0156	200	Pass
Blue	D	PE	114	57.86	557	8	0.1225	278	Pass
Blue	B	PerCP-Cy5-5	194	57.60	658	11	0.0071	91	Pass
Blue	A	PE-Cy7	109	115.95	713	16	0.0088	32	Pass
Red	C	APC	369	28.60	605	5	0.0185	97	Pass
Red	A	APC-Cy7	199	30.00	576	5	0.0046	1255	Pass
Violet	B	V450	56	79.07	495	6	0.0250	2167	Pass
Violet	A	V500	87	47.83	512	6	0.0121	1133	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.39	-30.75	0.94
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.07	13.60 - 20.40	N/A	N/A	30.60	31.27	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12744

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments